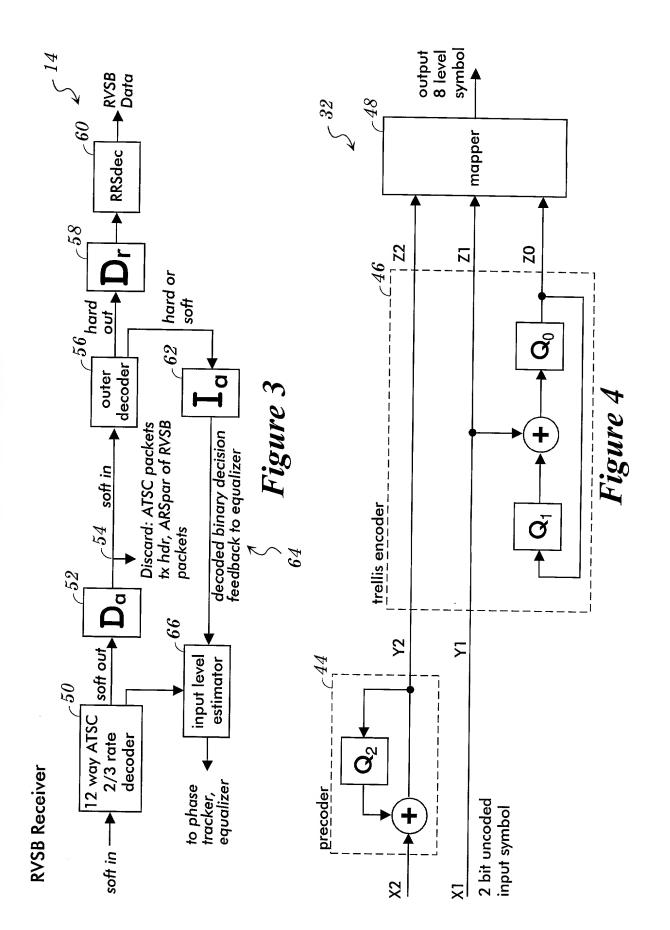


evel

Z0

Figure 2

Figure 5



branch label : X_2X_1 / mapped output level

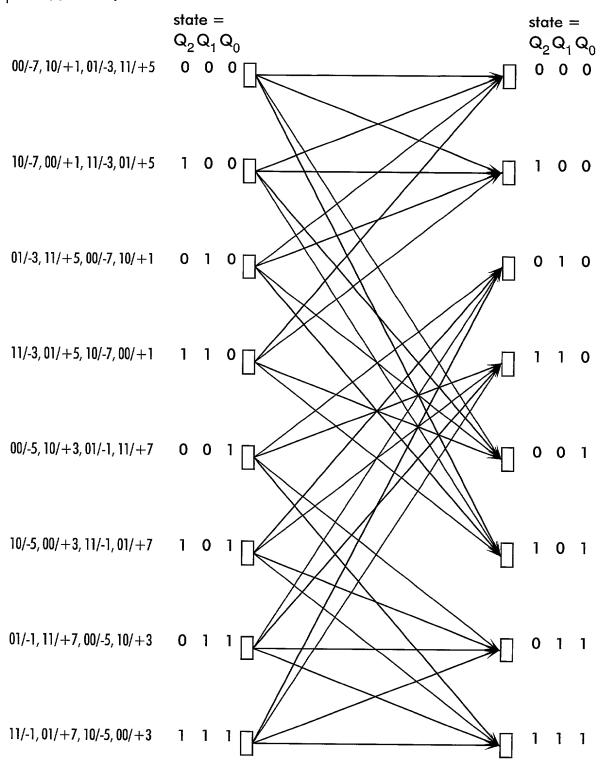
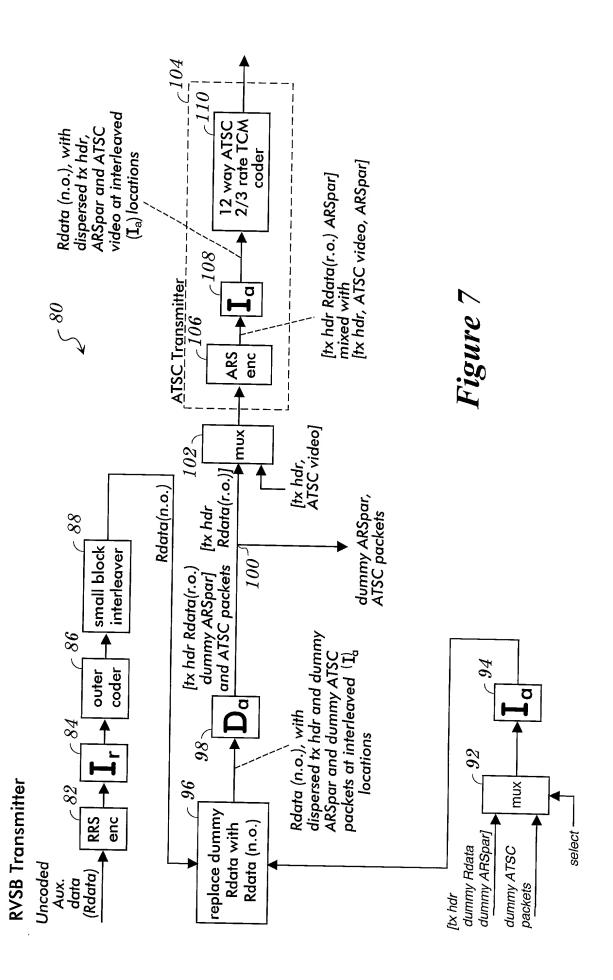
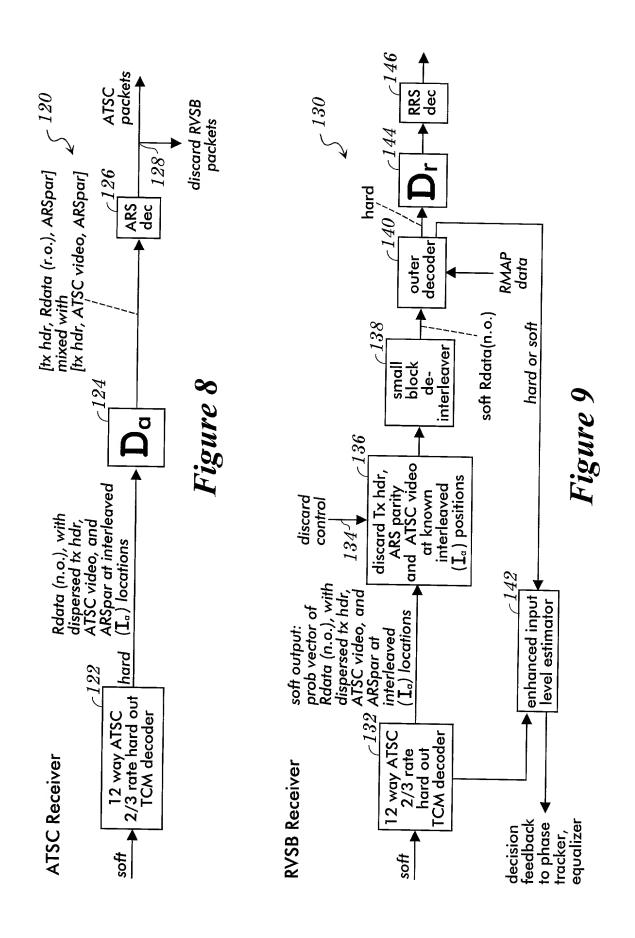


Figure 6





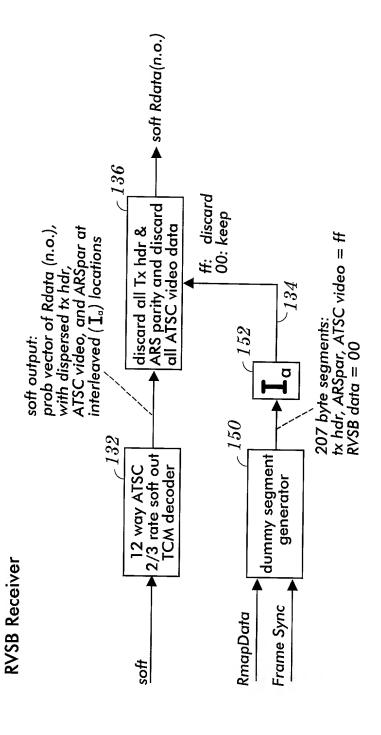
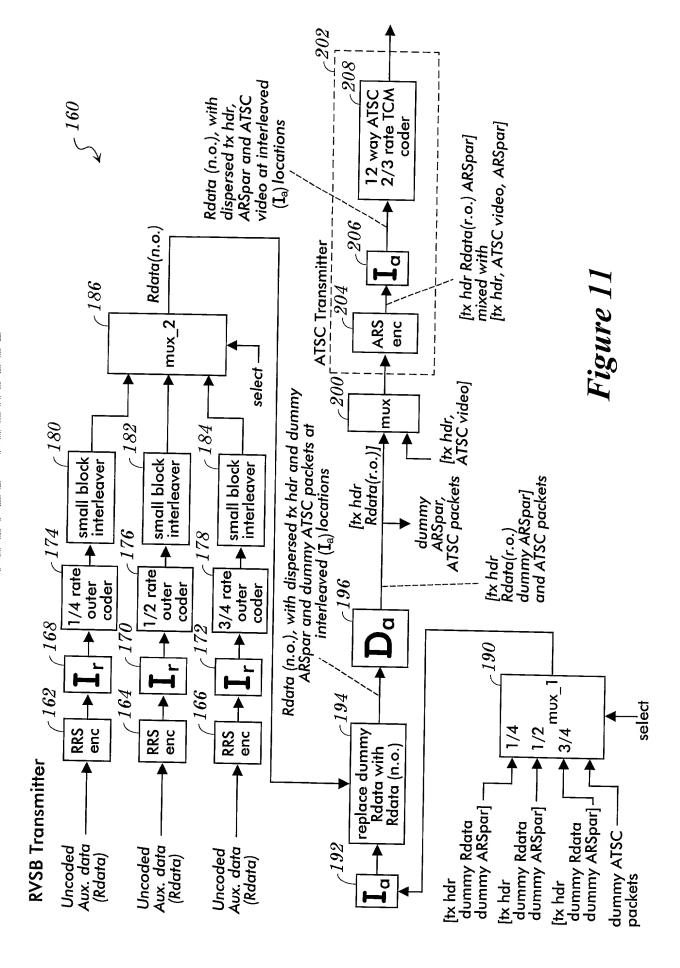


Figure 10



for 1/2 rate outer code

ATSC tx hdr	RVSB data (736 symbols)		ARS parity
(12 symbols)	92 bytes payload		(80 symbols)
ATSC tx hdr	RVSB data (576 symbols)	RRS parity (160 symbols) 20 bytes	ARS parity
(12 symbols)	72 bytes payload		(80 symbols)
ATSC tx hdr	RVSB data (736 symbols)		ARS parity
(12 symbols)	92 bytes payload		(80 symbols)
ATSC tx hdr	RVSB data (576 symbols)	RRS parity (160 symbols)	ARS parity
(12 symbols)	72 bytes payload	20 bytes	(80 symbols)
2 bits/symbol	1 bit/symbol		2 bits/symbol

Figure 12

for 1/4 rate outer code

ATSC tx hdr	RVSB data (736 symbols)		ARS parity
(12 symbols)	46 bytes payload		(80 symbols)
ATSC tx hdr	RVSB data (736 symbols)		ARS parity
(12 symbols)	46 bytes payload		(80 symbols)
ATSC tx hdr	RVSB data (736 symbols)		ARS parity
(12 symbols)	46 bytes payload		(80 symbols)
ATSC tx hdr	RVSB data (416 symbols)	RRS parity (320 symbols)	ARS parity
(12 symbols)	26 bytes payload	20 bytes	(80 symbols)
2 bits/symbol	0.5 bit/symbol		2 bits/symbol

Figure 13

for 3/4 rate outer code

ATSC tx hdr	RVSB data (736 symbols)		ARS parity
(12 symbols)	138 bytes payload		(80 symbols)
ATSC tx hdr (12 symbols)	RVSB data (736 symbols) 26 bytes payload 20 bytes i	RS parity 92 bytes payloc	ARS parity (80 symbols)
ATSC tx hdr (12 symbols)	RVSB data (736 symbols) 72 bytes payload 20 bytes I	RS parity 46 bytes payloa	ARS parity (80 symbols)
ATSC tx hdr	RVSB data (736 symbols)	20 bytes RRS parity	ARS parity
(12 symbols)	118 bytes payload		(80 symbols)

2 bits/symbol

1.5 bit/symbol

2 bits/symbol

First RVSB RS block of field

RVSB map data (24 bits)

1288 bits

Figure 17

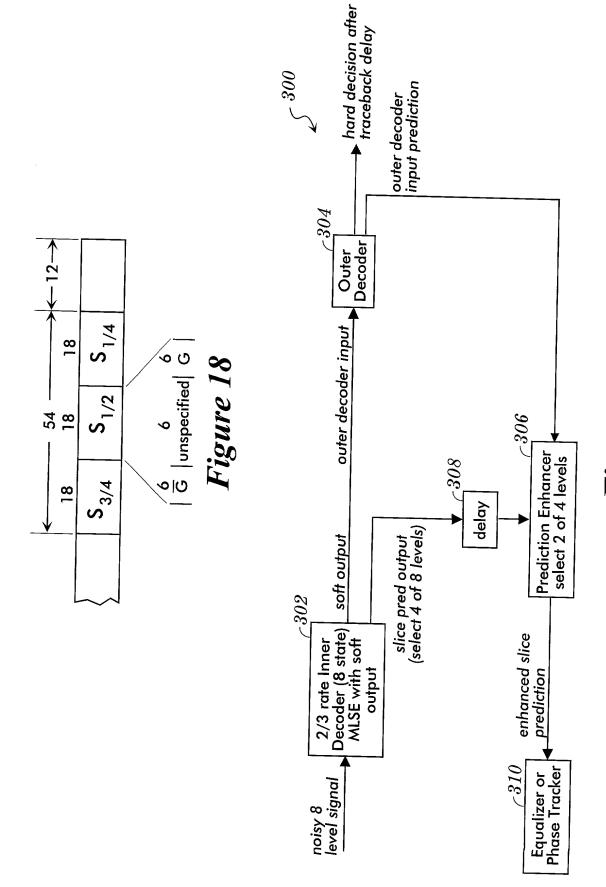
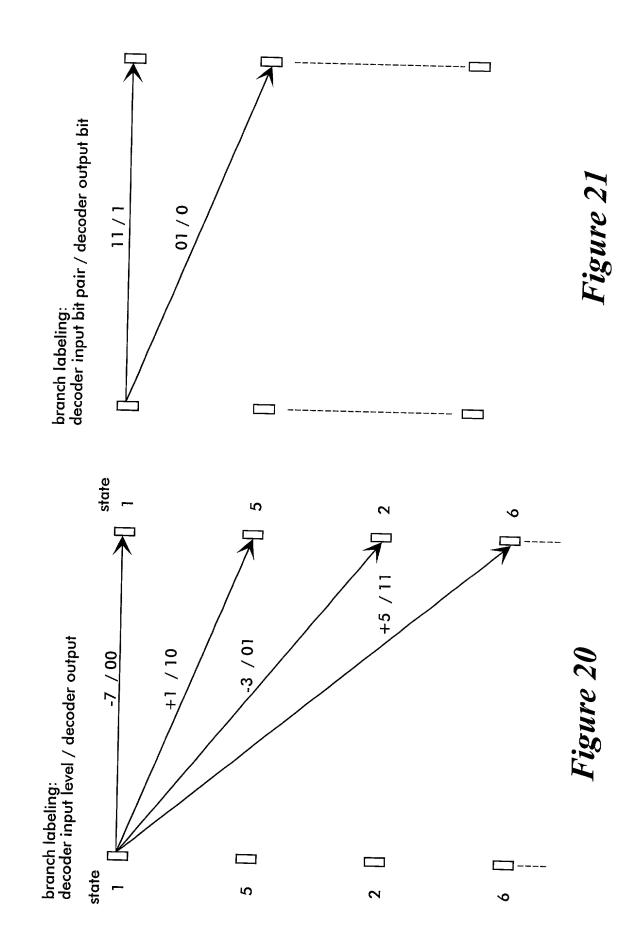


Figure 19



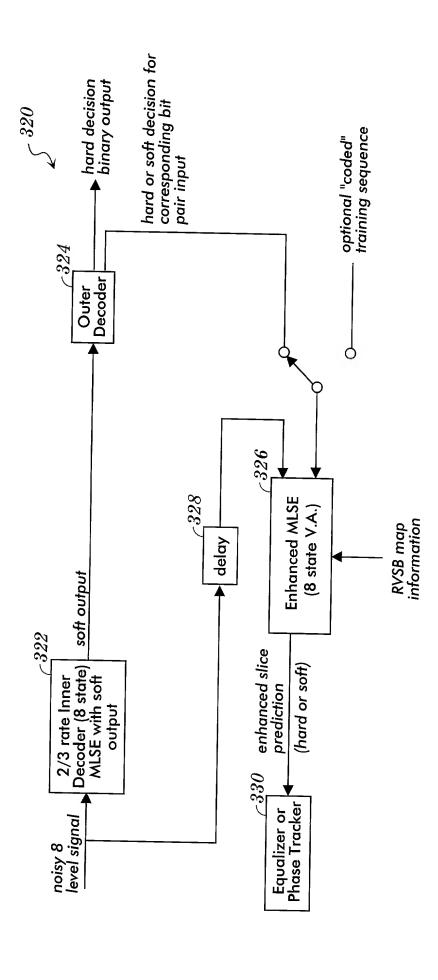


Figure 22